

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1439503

Luminaire Tested: CB3-D-030U-030D-940-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439503
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-3, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-D-030U-030D-940-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
UPLIGHT 300 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

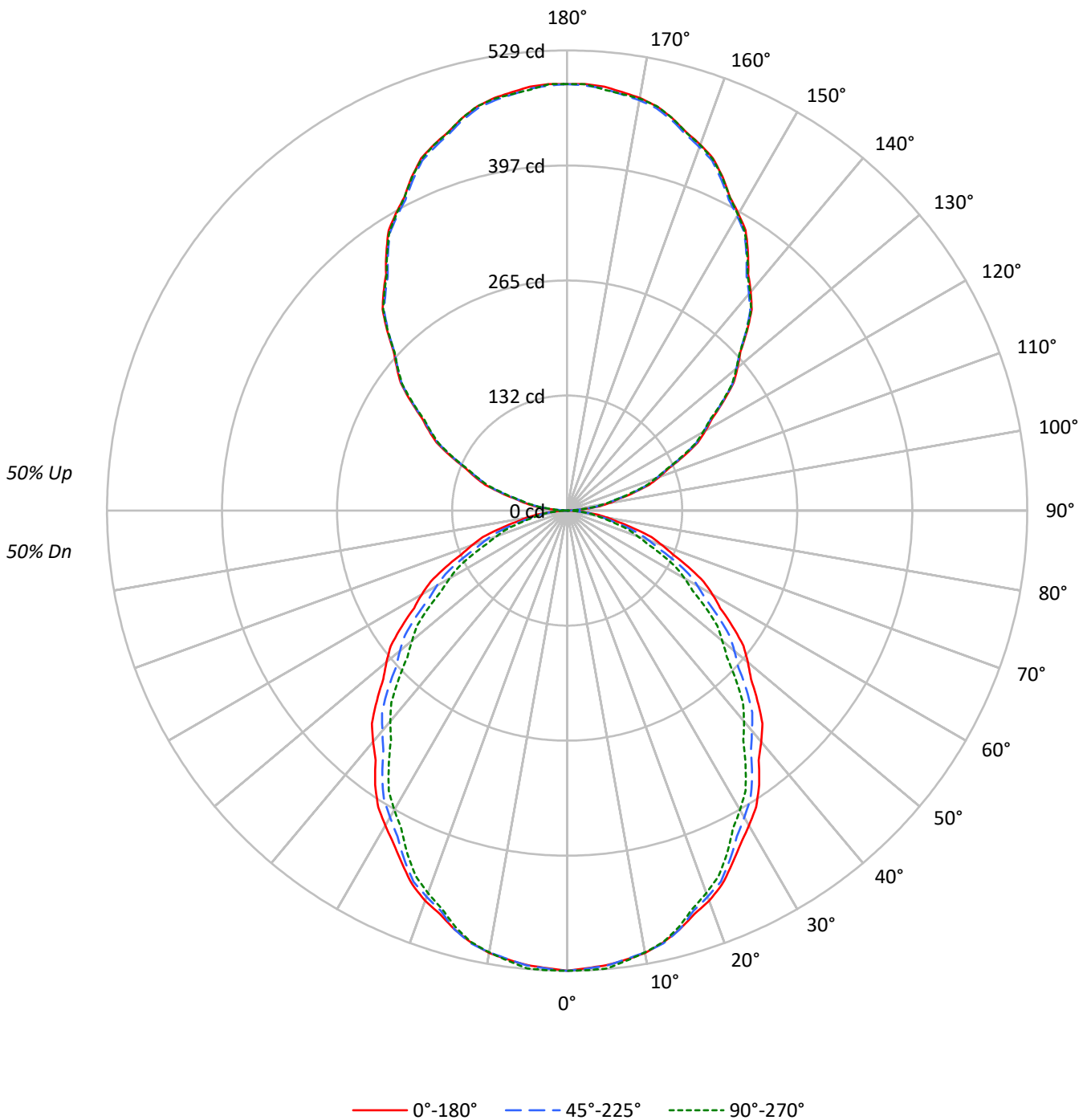
Lumens per Lamp: N/A
Luminaire Lumens: 2529.7 lumens
Efficiency: N/A
Efficacy: 151.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 16.7
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50				
1	98	94	90	86	90	87	83	80	73	71	69	61	60	58	50	49	48	43				
2	89	82	76	71	82	76	71	66	64	61	57	54	51	49	44	42	41	36				
3	82	72	65	59	75	67	61	56	57	52	48	48	44	41	39	37	35	31				
4	75	64	56	50	69	59	53	47	51	46	41	43	39	36	35	32	30	26				
5	69	57	49	43	63	53	46	41	46	40	36	38	34	31	32	29	26	23				
6	63	51	43	38	58	48	41	35	41	35	31	35	30	27	29	26	23	20				
7	59	46	38	33	54	43	36	31	37	32	28	32	27	24	26	23	21	18				
8	54	42	34	29	50	39	32	28	34	29	25	29	25	22	24	21	19	16				
9	51	39	31	26	47	36	29	25	31	26	22	27	22	19	22	19	17	15				
10	47	35	28	23	44	33	27	22	29	24	20	25	21	18	21	18	15	13				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5987	5987	5987
5°	5958	5963	6001
10°	5933	5924	5924
15°	5842	5842	5806
20°	5747	5688	5634
25°	5598	5528	5429
30°	5461	5319	5191
35°	5316	5120	4938
40°	5125	4882	4670
45°	4951	4669	4381
50°	4772	4416	4098
55°	4578	4170	3831
60°	4367	3917	3528
65°	4123	3630	3207
70°	3837	3292	2858
75°	3480	2890	2544
80°	3036	2424	2248
85°	2337	2051	2051

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4951 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.9	2.0
10°-20°	140.3	5.5
20°-30°	203.7	8.1
30°-40°	231.5	9.2
40°-50°	224.8	8.9
50°-60°	189.8	7.5
60°-70°	135.0	5.3
70°-80°	72.1	2.9
80°-90°	19.1	0.8
90°-100°	20.7	0.8
100°-110°	81.1	3.2
110°-120°	144.5	5.7
120°-130°	195.5	7.7
130°-140°	224.8	8.9
140°-150°	225.5	8.9
150°-160°	194.0	7.7
160°-170°	131.3	5.2
170°-180°	46.3	1.8
0°-30°	393.9	15.6
0°-40°	625.4	24.7
0°-60°	1039.9	41.1
0°-90°	1266.1	50.1
90°-120°	246.2	9.7
90°-150°	892.0	35.3
90°-180°	1264.0	50.0
0°-180°	2529.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	529	529	529	529	529	
5°	525	531	525	524	528	50
15°	499	503	499	496	496	140
25°	448	450	443	437	435	207
35°	385	381	371	360	358	240
45°	309	305	292	278	274	239
55°	232	226	211	198	194	207
65°	154	148	136	124	120	153
75°	80	75	66	59	58	85
85°	18	17	16	16	16	21
90°	0	0	0	0	0	1
95°	20	18	16	15	15	23
105°	79	78	76	74	74	84
115°	147	148	145	144	144	146
125°	220	222	218	217	217	196
135°	292	295	291	288	291	225
145°	362	365	359	358	361	226
155°	423	427	420	418	422	195
165°	467	471	465	462	467	132
175°	489	494	487	484	486	46
180°	490	490	490	490	490	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	529.1	529.1	529.1	529.1	529.1
2.5°	526.4	531.7	527.0	527.7	528.8
5°	524.6	531.2	525.0	524.4	528.4
7.5°	520.6	526.6	520.1	518.6	521.9
10°	516.4	523.0	515.6	513.8	515.6
12.5°	508.9	515.8	509.9	506.9	508.4
15°	498.7	503.1	498.7	495.7	495.7
17.5°	486.3	491.0	482.6	480.5	479.6
20°	477.3	481.4	472.4	469.4	467.9
22.5°	465.3	469.0	461.6	456.2	454.7
25°	448.4	449.9	442.8	436.7	434.9
27.5°	431.8	432.2	422.4	415.1	412.6
30°	418.0	418.3	407.1	399.2	397.3
32.5°	404.2	403.1	392.4	383.0	381.7
35°	384.9	381.3	370.7	359.7	357.5
37.5°	361.7	359.5	347.0	336.0	332.7
40°	347.0	343.3	330.5	319.5	316.2
42.5°	332.3	328.0	314.9	302.7	299.1
45°	309.4	304.7	291.8	277.8	273.8
47.5°	286.5	281.3	267.1	253.5	249.1
50°	271.1	265.6	250.9	237.6	232.8
52.5°	255.5	249.7	234.9	221.4	217.5
55°	232.1	225.8	211.4	197.8	194.2
57.5°	208.7	202.5	188.1	175.3	170.9
60°	193.0	187.2	173.1	160.3	155.9
62.5°	177.1	171.5	157.8	145.2	141.1
65°	154.0	148.5	135.6	123.5	119.8
67.5°	131.1	126.4	113.6	102.5	99.6
70°	116.0	111.6	99.5	89.3	86.4
72.5°	101.6	96.9	85.4	76.7	74.7
75°	79.6	75.2	66.1	59.3	58.2
77.5°	59.5	55.9	48.0	44.2	43.6
80°	46.6	43.3	37.2	34.5	34.5
82.5°	34.5	31.8	27.9	26.7	26.7
85°	18.0	16.6	15.8	15.8	15.8
87.5°	5.4	5.4	5.1	4.8	4.8
90°	0.0	0.0	0.0	0.0	0.0
92.5°	5.4	4.8	3.0	2.4	2.4
95°	19.9	18.1	16.2	15.0	15.4
97.5°	36.8	35.0	32.6	31.5	31.8
100°	48.5	47.0	44.4	43.2	43.2
102.5°	59.9	59.0	56.4	55.3	55.6
105°	78.6	78.2	75.6	74.4	73.7
107.5°	99.2	98.5	95.6	95.5	94.8
110°	112.4	112.0	109.4	109.0	108.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	125.9	126.4	123.5	123.1	122.8
115°	147.4	148.1	144.7	144.3	144.0
117.5°	169.3	170.3	166.8	166.4	165.7
120°	183.4	185.7	181.2	180.8	180.4
122.5°	197.9	199.8	195.6	194.9	194.9
125°	219.5	222.1	217.7	216.9	217.3
127.5°	241.2	243.8	239.7	238.2	239.0
130°	255.6	258.6	254.1	252.6	253.7
132.5°	270.4	273.3	268.9	267.4	269.1
135°	292.5	295.4	290.6	288.4	291.3
137.5°	314.0	316.6	311.3	309.8	312.9
140°	328.2	330.8	325.2	323.4	327.0
142.5°	342.0	344.9	338.7	336.9	340.9
145°	362.4	365.3	359.4	357.6	360.9
147.5°	381.9	384.9	378.9	376.8	380.2
150°	394.0	397.3	391.0	389.2	392.8
152.5°	405.7	409.3	402.7	400.6	405.2
155°	422.9	426.6	419.5	417.7	422.2
157.5°	438.4	441.8	435.4	433.6	437.4
160°	447.7	451.4	444.7	442.9	447.3
162.5°	455.8	459.5	453.4	451.1	455.5
165°	466.9	470.9	464.6	462.1	466.9
167.5°	476.1	480.5	473.8	471.5	476.3
170°	481.6	485.6	478.9	476.0	480.8
172.5°	485.2	489.2	482.5	479.6	482.9
175°	489.1	493.5	486.8	483.8	485.7
177.5°	490.8	494.3	489.0	486.4	490.5
180°	490.2	490.2	490.2	490.2	490.2



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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	13.37	14.22	14.33	15.19	16.46	12.29	13.14	13.25	14.11	15.39
	3H	15.03	15.80	16.01	16.78	18.07	13.70	14.47	14.67	15.45	16.74
	4H	15.66	16.39	16.65	17.37	18.67	14.22	14.94	15.20	15.93	17.23
	6H	16.05	16.71	17.04	17.70	19.02	14.54	15.20	15.53	16.19	17.51
	8H	16.19	16.82	17.19	17.83	19.14	14.66	15.29	15.66	16.30	17.61
	12H	16.25	16.85	17.26	17.86	19.19	14.74	15.34	15.74	16.34	17.67
4H	2H	13.78	14.50	14.77	15.48	16.79	12.92	13.64	13.91	14.62	15.93
	3H	15.66	16.27	16.66	17.28	18.60	14.54	15.14	15.53	16.15	17.47
	4H	16.41	16.96	17.42	17.97	19.31	15.14	15.69	16.15	16.70	18.04
	6H	16.91	17.39	17.93	18.42	19.75	15.55	16.03	16.57	17.06	18.39
	8H	17.11	17.55	18.13	18.57	19.92	15.72	16.16	16.74	17.19	18.54
	12H	17.20	17.60	18.24	18.64	20.00	15.83	16.23	16.87	17.26	18.62
8H	4H	16.54	16.98	17.56	18.01	19.36	15.40	15.84	16.42	16.87	18.22
	6H	17.16	17.52	18.20	18.59	19.94	15.93	16.29	16.97	17.36	18.71
	8H	17.44	17.76	18.49	18.81	20.18	16.18	16.50	17.23	17.55	18.92
	12H	17.60	17.88	18.65	18.93	20.34	16.36	16.64	17.41	17.69	19.10
12H	4H	16.51	16.91	17.55	17.95	19.31	15.40	15.80	16.44	16.84	18.20
	6H	17.18	17.50	18.23	18.55	19.92	15.99	16.31	17.04	17.36	18.73
	8H	17.48	17.76	18.53	18.80	20.21	16.27	16.55	17.32	17.60	19.01